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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/561,013	02/21/2007	Tsugio Anbo	003D.0081.U1(US)	5985
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EXAMINER				
NASRI, JAVAD H				
ART UNIT		PAPER NUMBER		
2839				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/561,013

Applicant(s)

ANBO ET AL.

Examiner

Javaid Nasri

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 February 2007 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☒ Information Disclosure Statement(s) (PTO/SI/02)
Paper No(s)/Mail Date 12/15/05.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities:

- a) The foreign priority should be mentioned on page 1 of the specification.
- b) Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

In the instant case the form and legal phraseology "said" used.

Remove "not shown"

Appropriate correction is required.

Drawings

2. Figures 6-8 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37

CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the

- a) a reinforcing strip, per claim 1, (not shown clearly)
- b) ribs on the bottom plate, per claim 3

must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

4. Claims 1-5 are objected to because of the following informalities:

- a) In claim 1, line 14, revise the phrase “bending the **thus** cut portion” properly.
- b) In claim 3, “ribs” is used, but in the drawing there is only one rib 20f.

Appropriate correction is required.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 2, 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sato et al (6,290,553) in view of Chaillot et al (5,951,339).

Sato et al discloses, **for claim 1**, a connecting terminal formed from a single metal plate comprising a rectangular tube-like connecting portion including a bottom plate, a first side plate connected to the bottom plate, a top plate connected to the first side plate, and a second side plate connected to the top plate; a movable contact strip (18) formed by folding a strip-like member which extends in parallel with a side portion of said bottom plate and is coupled with said bottom plate at a rear portion (see figure 1B and note below) and has a free end (see figure 1A and note below), over said bottom plate within the connecting portion, said strip-like member being further bent into a shape of mountain (see figure 1B) such that an apex of the mountain

constitutes a contact portion; a reinforcing strip (31) having a rear end connected to said bottom plate (see figure 1B) and a free end (at 40), said reinforcing strip being formed by cutting a portion of the bottom plate (see figure 1B) and bending the thus cut portion inwardly such that the free end of the reinforcing strip supports the movable contact strip (see figure 1B), **for claim 2**, the free end of the reinforcing strip supports said contact portion of the movable contact strip from underneath, **for claim 4**, the rear portion of the movable contact strip is fused to the bottom plate, **for claim 5**, the movable contact strip has formed wing portions (17) on both sides, said wing portions being inserted movably into holes (15) formed on the first and second side plates.

However, Sato et al does not disclose,

- a) For claim 1, a guide strip being formed by folding back a strip-like portion provided at the front end of the bottom plate such that said guide strip covers a front end of the movable contact strip. Chaillot et al discloses a guide strip being formed by folding back a strip-like portion provided at the front end of the bottom plate such that said guide strip covers a front end of the movable contact strip (46), therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention for Sato et al to have a guide strip being formed by folding back a strip-like portion provided at the front end of the bottom plate such that said guide strip covers a front end of the movable contact strip in view of Chaillot et al for guidance.

7. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sato et al in view of Chaillot et al as applied to claim 1 above, and further in view of Saito (6,352,453).

Sato et al in view of Chaillot et al discloses all the limitations of claim 1 as shown above,

However, Sato et al in view of Chaillot et al does not disclose,

- a) For claim 3, ribs are formed in rear portion of the movable contact strip as well as in a corresponding portion of the bottom plate. Saito discloses ribs (3d) are formed in rear portion of the movable contact strip as well as in a corresponding portion of the bottom plate (see marked figure 1 below), therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention for Sato et al to have ribs being formed in rear portion of the movable contact strip as well as in a corresponding portion of the bottom plate further in view of Saito for strength.

Note: USPTO interprets claims, giving claims their "broadest reasonable interpretation."
(See, e.g., In re Morris, 127 F.3d 1048, 1054-55 (Fed. Cir. 1997)).

Contact

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Javaid Nasri/
Primary Examiner, Art Unit 2839

Jhn
February 9, 2008

